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DEVELOP NEW REFRIGERATORS, FOOD MACHINERY;  
INCREASE PRODUCTION OF WASHING MACHINES

CUT CONSUMPTION OF NONFERROUS METAL -- Moscow, Vechernyaya Moskva, 6 Jul 51

The bathrooms in many Moscow apartments are equipped with small, fancy  
 geysers. These convenient water heaters are manufactured at the Iskra Plant.

In addition to such geysers and other smaller products, series produc-  
 tion of automatic Freon refrigerators was started this year. They have already  
 appeared in many stores, restaurants, and dining rooms, where they have proved  
 satisfactory.

This small enterprise was not adequate for such production. It had to  
 develop a new technology and manufacture special cutting and measuring tools,  
 attachments, and dies of more than 400 designations.

In addition to solving technological problems, plant personnel were faced  
 with the task of reducing production cost. Since a great deal of nonferrous  
 metal had been used in the manufacture of Freon refrigerators, it was decided  
 to use less scarce materials. As a result, only 6 kilograms of brass rod were  
 consumed for one refrigerator instead of 19 kilograms.

In 6 months, the output of Freon refrigerators increased 60 percent, and  
 labor consumption for their manufacture decreased three times.

The plant is now manufacturing a smaller model of such a refrigerator with  
 an air rather than a water condenser.

An experimental model of a new geyser has been built, in which 70 percent  
 of the nonferrous metal has been replaced with ferrous metal. This geyser,  
 subjected to lengthy testing, has shown a high coefficient of performance. In  
 quality, it is superior to units produced earlier.

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**REPAIR REFRIGERATING PLANT -- Tbilisi, Zarya Vostoka, 4 Jul 51**

The repair of refrigerating chambers has been completed at the Tbilisi Refrigerating Plant. The walls of the chambers have been insulated with a peat-aluminum (torfolyum) material which lowers the temperature in the chamber an average of 5-10 degrees.

Three water pumps assure continuous operation of the refrigerating unit. A new condenser which has been put into operation increases by 2 months the period that perishables may be kept.

With the forthcoming hot days, dozens of tons of frozen products will be shipped to all corners of the country.

**MANUFACTURE 15 MOBILE ICE PLANTS -- Moscow, Vechernyaya Moskva, 16 Jul 51**

The Podmoskovnyy Perovskiy Railroad-Car Repair Plant has manufactured 15 mobile ice-making plants. Each of these consists of three 50-ton cars which produce up to 20,000 kilograms of ice every 24 hours.

The mobile ice-making plants are an innovation in Soviet refrigerating techniques. They perform well at railroad stations for mass loading of vegetables and fruits in Moldavia, Central Asia, the Ukraine, and Caucasus.

Machines and apparatus are assembled in the first car, and ice-making mechanisms in the other two. A compressor with a capacity of up to 200,000 calories per hour and two mobile electrical units are in operation here. The ice is manufactured in the form of huge blocks weighing up to 20 kilograms each.

As a result of these mobile plants, a large quantity of perishable goods can be kept. They are now used for transporting early fruits and vegetables from the south to central and northern regions of the country.

**BEGIN MANUFACTURE OF NEW AGGREGATE FOR CURING TEA LEAVES -- Moscow, Trud, 13 Jul 51**

Sh. Mardaleysvili, a technologist at the Tbilisi Interoblast Sales Office of the Main Administration for Tea (Glavchay), has designed a new aggregate for curing tea leaves. All operations on the aggregate are completely automatic. One worker can attend three such machines in the time it takes six workers to attend one of the aggregates now in use at tea factories.

The Batumi Machine-Building Plant imeni Beriya has begun to manufacture the new machines.

**DEVELOP, TEST AUTOMATIC CONVEYER LINE FOR FOOD INDUSTRY -- Riga, Sovetskaya Latvija, 24 Jun 51**

The Leningrad Krasnaya vagranka Food Machinery Plant has successfully developed and tested an automatic conveyer line for hermetic sealing of canned products.

The line consists of two automatics, one of which covers a jar of preserves and transfers it to the vacuum chamber of the other automatic. Here a powerful pump removes the air from the jar and seals it hermetically. The productivity of the line is 60 jars a minute.

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The line does not require any operators. One worker merely watches the operation.

The plant is beginning series production of automatic lines for enterprises of the meat, dairy, and fish industries.

PRODUCE EXPERIMENTAL MACHINES FOR FISH INDUSTRY -- Leningradskaya Pravda, 19 Jul 51

The Leningrad Experimental Machinery Plant is producing high-duty machines for the fish industry which are mechanizing hand labor.

Recently, the first experimental machine for making knotless fish nets came off the assembly stand. This is the first such machine to be produced in the Soviet Union. Its use will mean a 20-50 percent saving in thread. A fish net made by this new method is exceptional for its strength. The machine was designed and manufactured in a short time under the direction of Sel'tsovskiy.

The erection of an experimental, mechanized, continuously operating oven for fish smoking is being completed.

A machine for filleting fish, and other mechanisms are being readied for production.

NEW PLANT TO PRODUCE 3,000 WASHING MACHINES PER YEAR -- Vil'nyus, Sovetskaya Litva, 13 Jul 51

The RSFSR Industrial Cooperative is increasing the production of home washing machines. Three thousand machines will be produced annually at a new plant in Sverdlovsk.

This type of washing machine looks like a white-enameled cylinder, mounted on three feet. Another cylinder which holds the clothes is located inside. The clothes are washed in a soap solution as the inner cylinder rotates. The washed clothes are wrung by centrifugal force.

The machine can hold up to 2.5 kilograms of dry clothes and 30 liters of water.

PERFECT MASS PRODUCTION OF WASHING MACHINES -- Tallin, Sovetskaya Estoniya, 21 Jun 51

The Riga Electrical Machine Building Plant has mastered the mass production of home electric washing machines.

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